



Editor: Steve Wright [wrights1@eircom.net](mailto:wrights1@eircom.net)

[newssteam@irts.ie](mailto:newssteam@irts.ie)

October 2019

### Single Frequency Repeater

The concept of a single frequency Repeater has recently been adopted by the GB7VT Repeater located near Stoke-on-Trent. The Output Frequency is 431.175MHz Time Slot 2 and the input frequency is also on 431.1750MHz on Time Slot 1. Radio users wishing to use this repeater will need to configure your DMR radio to monitor both time-slots whilst in DMO mode, on some terminals this is called pseudo trunk. Set to DMO mode, not all radios may work on a SFR (MD380 type radios to be tested), if you are using a professional radio; Motorola, Hytera, Simoco upgrade to the latest firmware version available. Pioneered back in the 1950s, this is by no means a new concept as it was originally designed for railroad engineer's radios. It would allow the dispatcher to interrupt the person talking in mid sentence if he was holding down the PTT button. This a real time system and not a store and forward simplex repeater. More information from <https://ukfmwg.wixsite.com/stoke-repeaters/sfr>

### Tipperary Amateur Radio Group

The next meeting of the Tipperary Amateur Radio Group will take place in The Park Hotel, Clonmel on Tuesday 8th October at 8.30pm. New members or anyone interested in amateur radio are very welcome. Anyone who wishes to find out more about the Tipperary Amateur Radio Group and its activities you can attend any of their meetings. You can also check out their website [www.ei7trg.ie](http://www.ei7trg.ie) or contact club PRO Ronan EI4KN at QTHR for further information.

### Galway Digital Radio Group Lecture



The Galway Digital Radio Group held a lecture in the UGG innovation Centre last week. The new DMR Network, which is near completion in County Galway, was discussed and also the facilities to be offered on Yaesu Fusion and D-Star. A Question and Answer session took place afterwards. The slide presentation is available as a power point presentation on the Galway Digital Radio Group Facebook page found at <https://www.facebook.com/groups/745516459124467/?ref=bookmarks> If any Clubs or Groups, in the potential coverage area, are interested in having this lecture delivered at their meeting they may contact Steve, EI5DD, at [wrights1@eircom.net](mailto:wrights1@eircom.net) The Lecture is not too technical and very easy to follow with a duration of approx. 1Hr 20 mins.

### Digital Voice over Satellite

Experiments using digital voice over QO-100 had led to a change to DQPSK in the OFDM modem of mode 2020 FreeDV software. This software running on computers having AVX command extension and transmitted over a highly linear RF-setup is producing outstanding audio quality over the satellite occupying only 1600 Hz bandwidth. David Rowe's blog about FreeDV 2020 got a response from Myriad-RF, manufacturer of LimeSDR. Most important, as they are having a joint initiative with ESA, see <https://sdrsat.com/>.

### For Sale

#### EI7CD Shack Clearance

Optibeam OB6-3M	€ 400
Yaesu FV-101B External VFO	€ 50
Hi Mound BK100 Bug Key	€ 80
Kent Morse Tutor	€ 30
MFJ 1704 4-way coax switch	€ 50
Heathkit HD1234 4-way coax switch	€ 30
Retivis R-511 CTSSS frequency counter	€ 25
Sapel AL1013 10a power supply	€ 30
Trio TR2300 2m rig	€ 30
Sommerkamp/Yaesu FT480R 2m rig	€ 140
Yaesu SP55 Mobile Extn Speaker	€ 30
50W Dummy Load	€ 25
Comet CF50MR 1kw HF LPF	€ 40
Drake TV3300 LPF	€ 30
Kewtech KT31 Insulation Continuity Tester	€ 250
Reflectometer RFL5	€ 35
Zetagi V3 Antenna Switch	€ 20
Zetagi V4 Antenna Switch	€ 20
Hatfield Instruments DC 50 MHz Attenuator	€ 20
Beckman HD 110 Multimeter	€ 50
Satellite Finder Kit PG-753	€ 10
Ross RE-174M Multitester	€ 10
30W Dummy Load	€ 25

### Contact

Peter EI7CC 087 134 6191,  
[ei7cc.radio@gmail.com](mailto:ei7cc.radio@gmail.com)

or

Gerry EI8CC 087 961 1961,  
[gerrygervin@gmail.com](mailto:gerrygervin@gmail.com)



JOTA-JOTI is the world's largest digital Scout event taking place online and over the air. The educational event brings together more than 2.5 million Scouts every year in October for a weekend of Scouting and friendship. Young people can learn about communications technology and connect with fellow Scouts from over 170 countries.

**18<sup>th</sup> - 20<sup>th</sup> October 2019**

### Renew your IRTS Membership

Use this link to renew your membership for another year

[www.irts.ie/renew](http://www.irts.ie/renew)

## Irish Radio Transmitters Society

**AGM 2020**

Hosted by the South Eastern Amateur Radio Group

Saturday & Sunday 18<sup>th</sup>/19<sup>th</sup> April 2020

The Woodford Dolmen Hotel

Kilkenny Road

Carlow

Hotel Reception ( 059 9142002

Use Code "IRTS2020" when Booking rooms

## Local Nets

### Shannon Basin 2m Net

The Shannon Basin Radio Club is holding a net on 145.350 MHz every Thursday at 21:00 local time. Both members and non-members are welcome with the aim of promoting the use of 2 meters



## Contests – October 2019

[WA7BNM Contest Calendar](#) : [RSGB HF Contests](#) : [UKEICC Contests](#) : [IRTS Contests](#)

Wed 2	20:00	1 hour	<a href="#">UKEICC SSB</a>	80m, work everyone, exchange Locators, e.g. IO63
Sat 5	08:00	24 hours	<a href="#">Oceania DX SSB</a>	160-10m, work Oceania only, exchange serials
Sun 6	05:00	18 hours	<a href="#">RSGB DX SSB/CW</a>	80-10m, work everyone, exchange serials
Mon 7	19:00	90 minutes	<a href="#">RSGB FT4</a>	80m, work everyone, use FT4 NA VHF Contest format
Tue 8	19:00	1 hour	<a href="#">IRTS 80m Counties SSB/CW</a>	80m, work everyone, send serial, county
Sat 12	08:00	24 hours	<a href="#">Oceania DX CW</a>	160-10m, work Oceania only, exchange serials
Sat 12	12:00	24 hours	<a href="#">Scandinavian Activity SSB</a>	80-10m, work Scandinavia only, exchange serials
Sun 13	12:00	2 hours	<a href="#">IRTS 40m Counties SSB/CW</a>	40m, work everyone, send serial, county
Mon 14	19:00	90 minutes	<a href="#">RSGB Autumn Series CW</a>	80m, exchange serials, work UK only
Sun 20	19:00	90 minutes	<a href="#">RSGB RoLo CW</a>	80m, send six character Locator from previous QSO
Wed 23	19:00	90 minutes	<a href="#">RSGB Autumn Series Data</a>	80m, exchange serials, work UK only
Sat 26	00:00	48 hours	<a href="#">CQWW DX SSB</a>	160-10m, exchange CQ Zone (14 for EI/GI entrants)
Wed 30	20:00	1 hour	<a href="#">UKEICC CW</a>	80m, work everyone, exchange Locators, e.g. IO63
Thu 31	19:00	90 minutes	<a href="#">RSGB Autumn Series SSB</a>	80m, exchange serials, work UK only
Every	Wed	60 mins	<a href="#">CWops Mini Contests</a>	160-10m, three separate CW contests

List compiled by Joe [EI7GY](#) (All times are UTC)